

FIG. 1

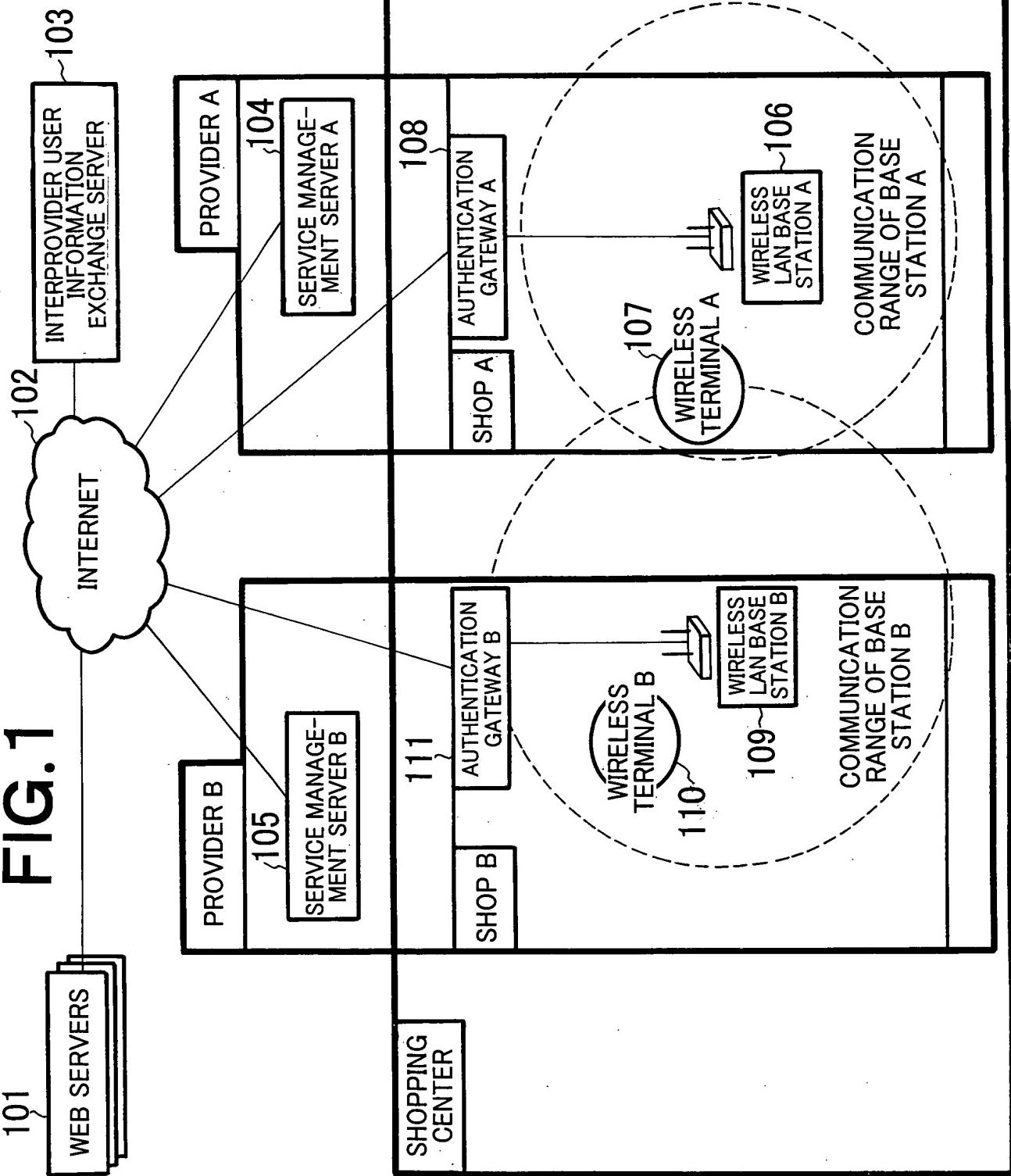


FIG.2

WIRELESS TERMINAL

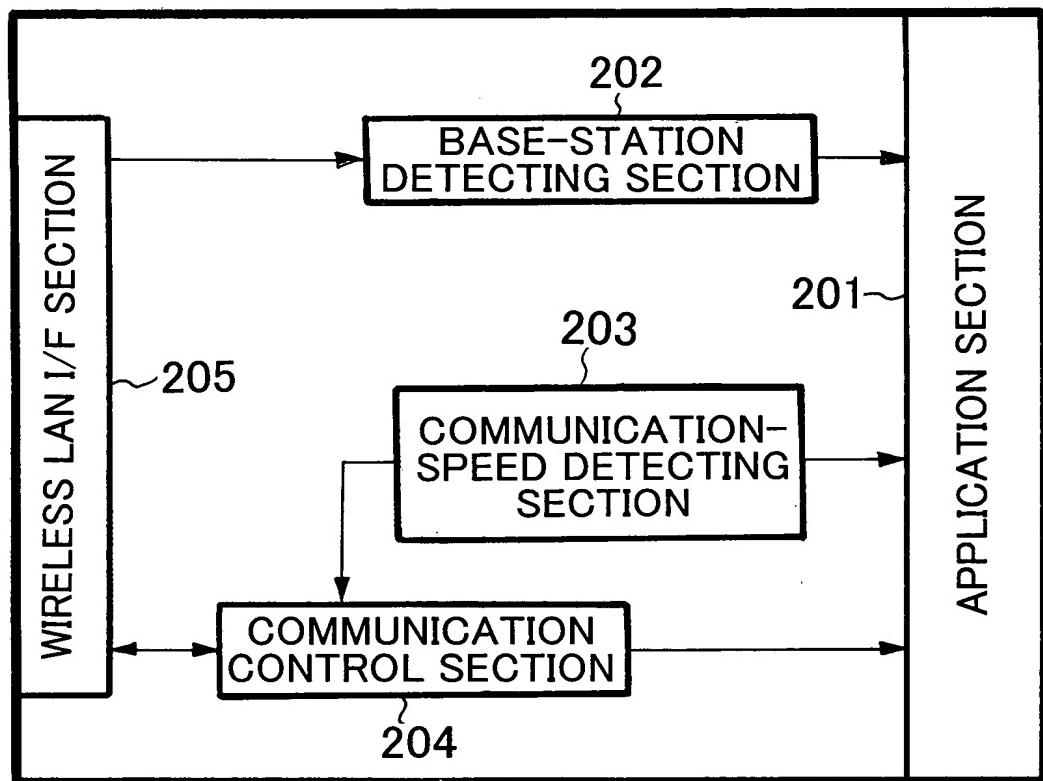


FIG.3
WIRELESS TERMINAL

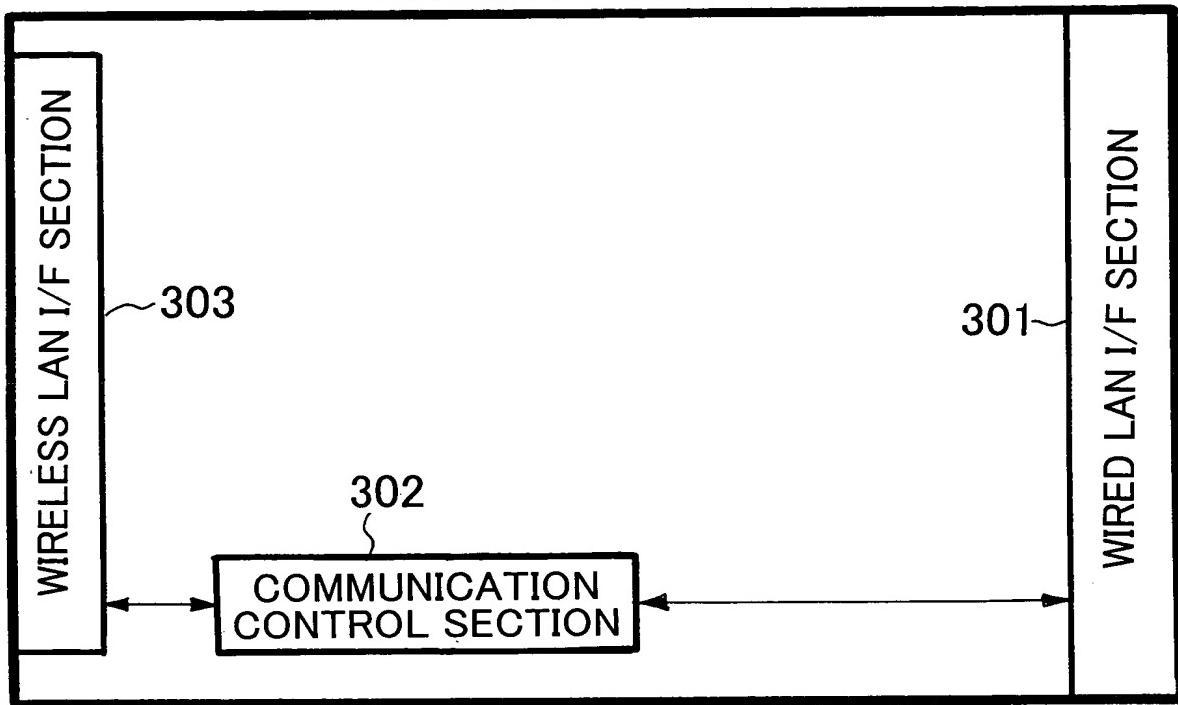


FIG.4
AUTHENTICATION GATEWAY

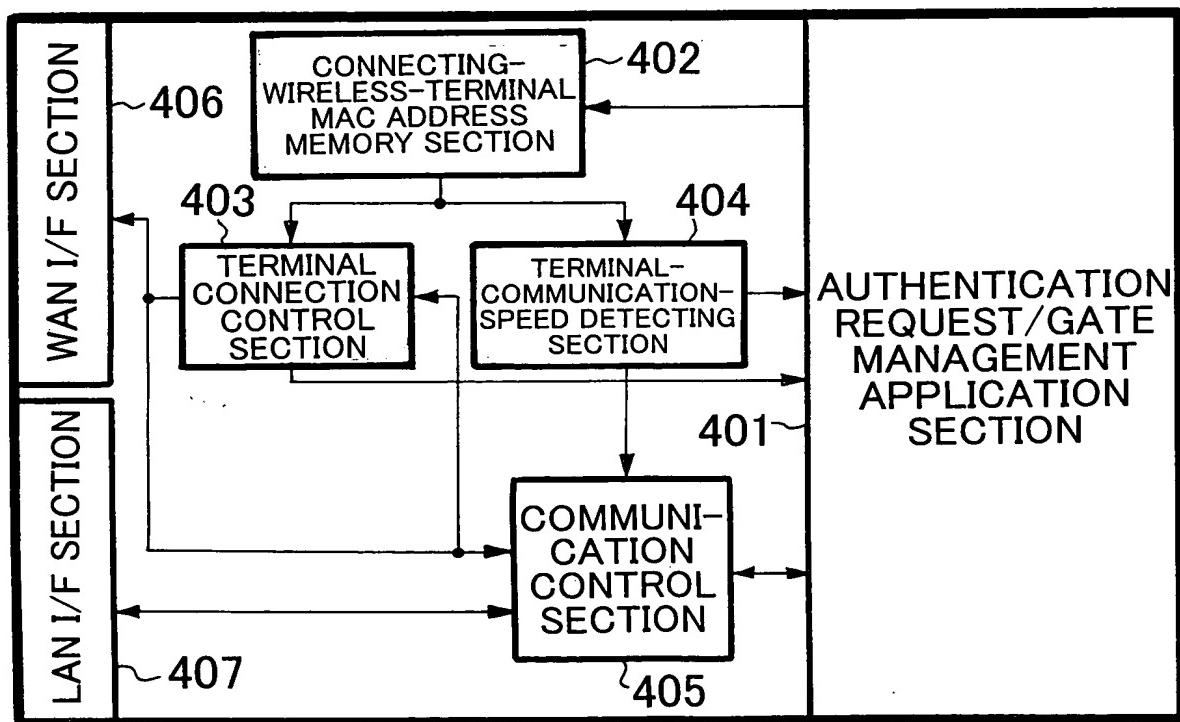


FIG.5
SERVICE MANAGEMENT SERVER

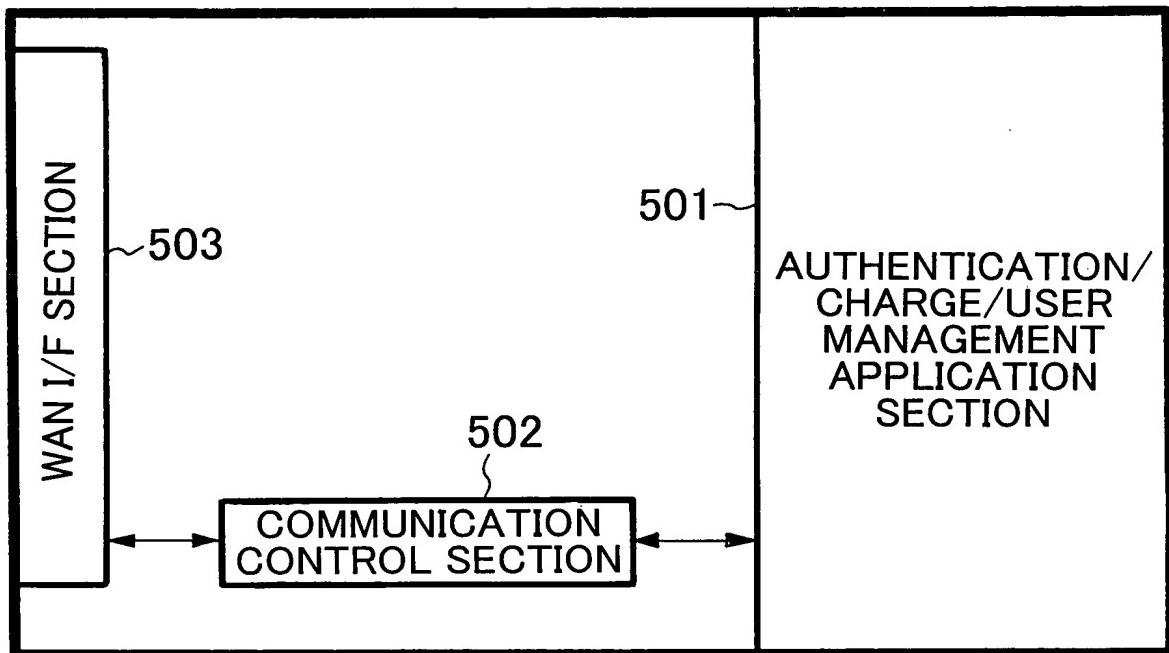


FIG.6
INTERPROVIDER USER INFORMATION EXCHANGE SERVER

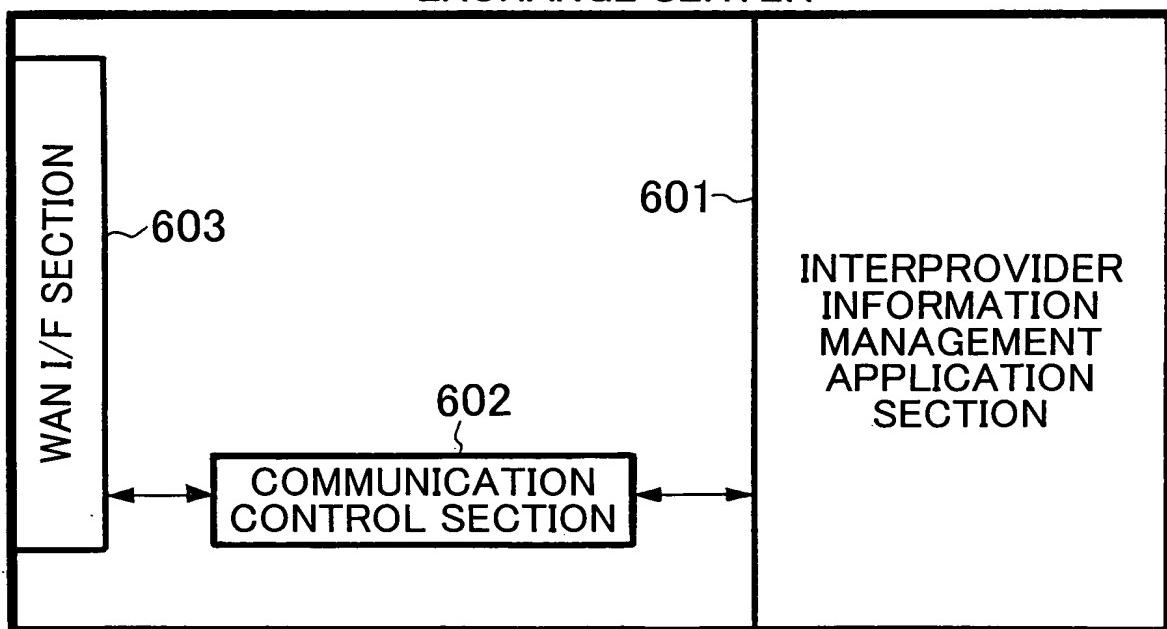


FIG. 7

TABLE OF SERVICE MANAGEMENT SERVER
(FOR CONTRACTED USERS)

USER ID 701	PASSWORD 702	MAC ADDRESS 703	MONTHLY ROAMING COMMUNICATION AMOUNT 704	MONTHLY ROAMING COMMUNICATION TIME 705	ROAMING CHARGE 706
EXAMPLE: Yamada Suzuki ...	EXAMPLE: XXXXXX YYYYYY ...	EXAMPLE: 11:22:33:44:55:66 AA:BB:CC:DD:EE:FF ...	EXAMPLE: 20000Kbyte 500Kbyte ...	EXAMPLE: 10:30 2:00 ...	EXAMPLE: ¥2,000 ¥100 ...

TABLE OF SERVICE MANAGEMENT SERVER
(FOR USERS CONTRACTED WITH OTHER PROVIDERS)

INTERPRO- VIDER COMMON ID 707	MAC ADDRESS 708	MONTHLY ROAMING COMMUNICATION AMOUNT 709	MONTHLY ROAMING COMMUNICATION TIME 710	ROAMING CHARGE 711
EXAMPLE: 11223344 11223345 ...	EXAMPLE: 22:33:44:55:66:77 33:44:55:66:77:88 ...	EXAMPLE: 10000Kbyte 300Kbyte ...	EXAMPLE: 9:30 1:30 ...	EXAMPLE: ¥1,500 ¥100 ...

FIG. 8

USER INFORMATION

INTERPROVIDER COMMON ID 801	CONTRACTED PROVIDER 802	PROVIDER INHERENT ID 803	PROVIDER INHERENT PASSWORD 804
EXAMPLE: 11223344	EXAMPLE: PROVIDER A	EXAMPLE: Tanaka	EXAMPLE: TTTT
11223345	PROVIDER A	Sato	SSSS
11223346	PROVIDER B	Yamada	XXXX
11223347	PROVIDER B	Suzuki	YYYY
...

ROAMING HISTORY

INTERPROVIDER COMMON ID 805	OTHER PROVIDER NAME 806	MONTHLY ROAMING COMMUNICATION AMOUNT 807	MONTHLY ROAMING COMMUNICATION TIME 808	ROAMING CHARGE 809
EXAMPLE: 11223344	EXAMPLE: PROVIDER B	EXAMPLE: 10000Kbyte	EXAMPLE: 9:30	EXAMPLE: ¥1,500
...	PROVIDER C	600Kbyte	1:30	¥200
...
EXAMPLE: 11223345	EXAMPLE: PROVIDER B	EXAMPLE: 300Kbyte	EXAMPLE: 1:00	EXAMPLE: ¥100
...	PROVIDER C	400Kbyte	1:15	¥150
...

FIG.9
FLOWCHART FOR WIRELESS TERMINAL

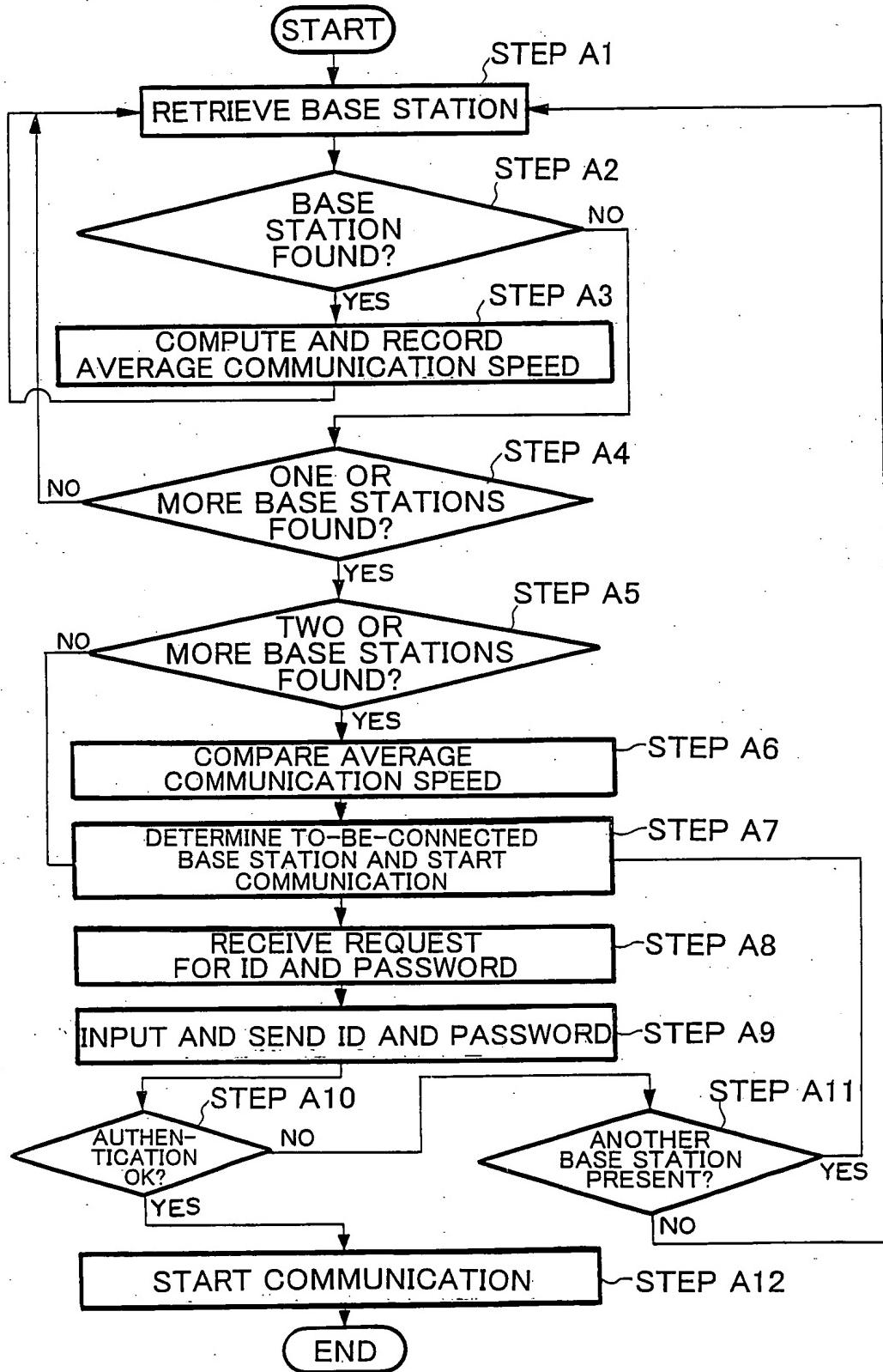


FIG.10
FLOWCHART FOR AUTHENTICATION GATEWAY

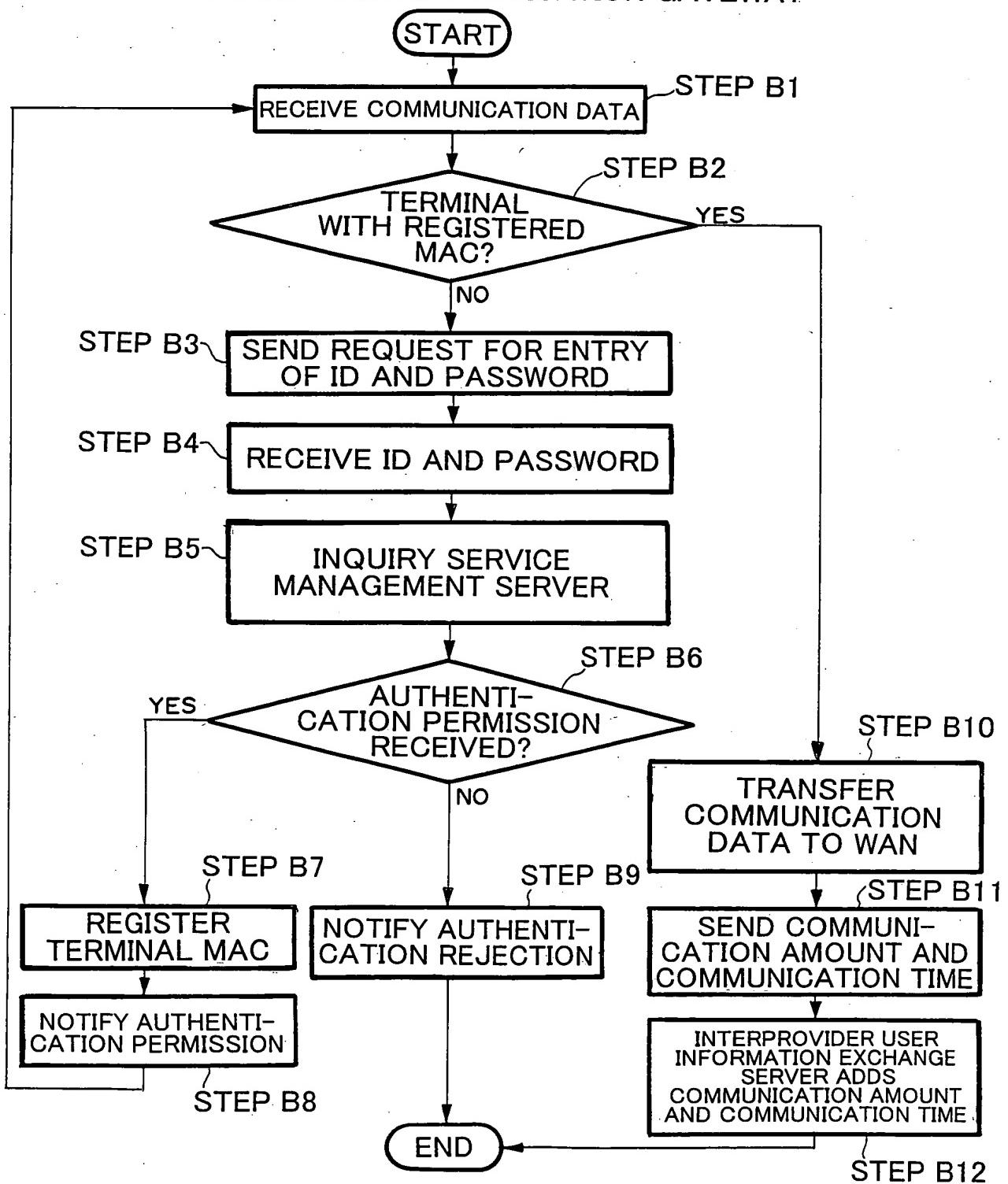
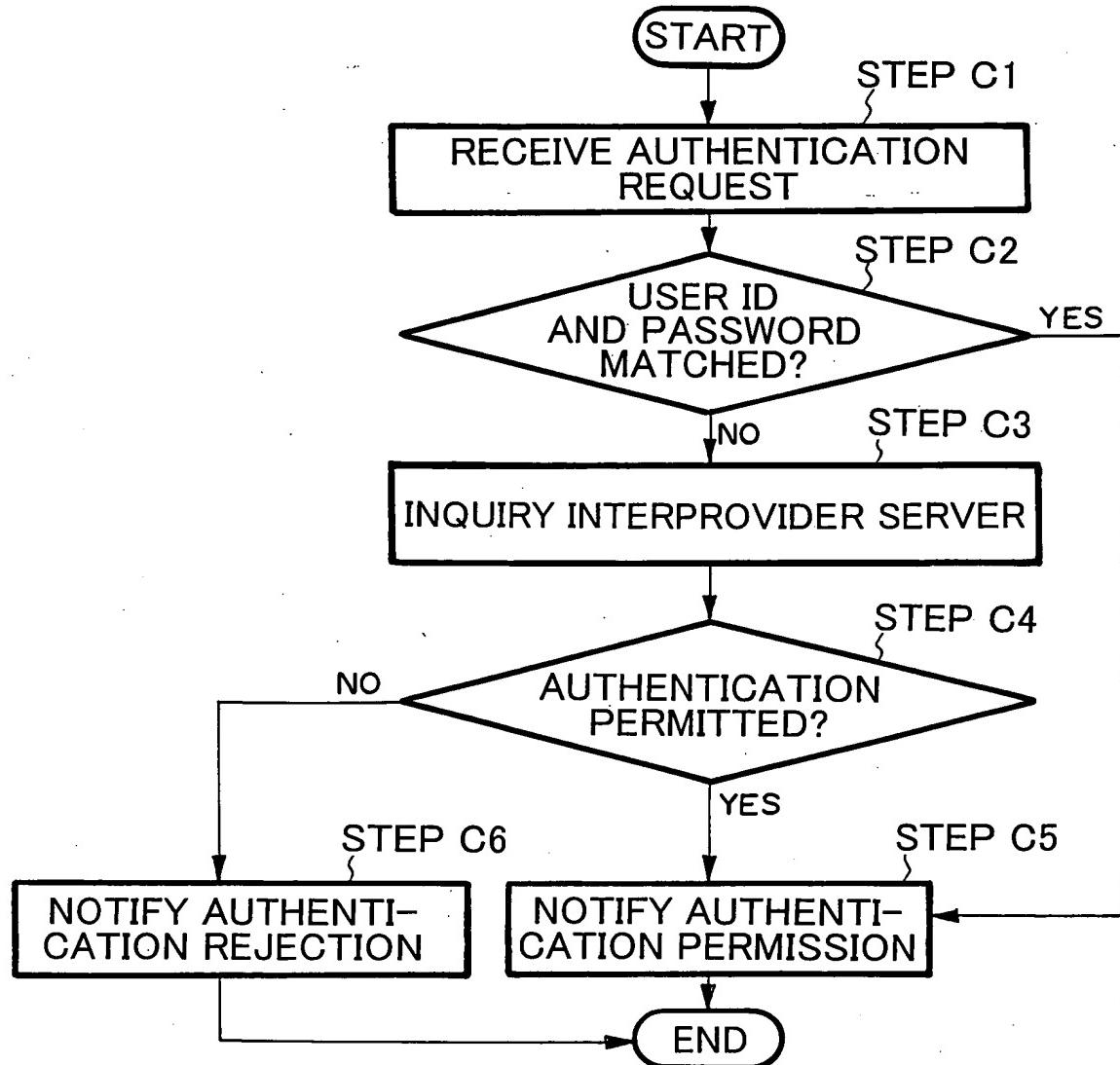


FIG.11

FLOWCHART FOR SERVICE MANAGEMENT SERVER



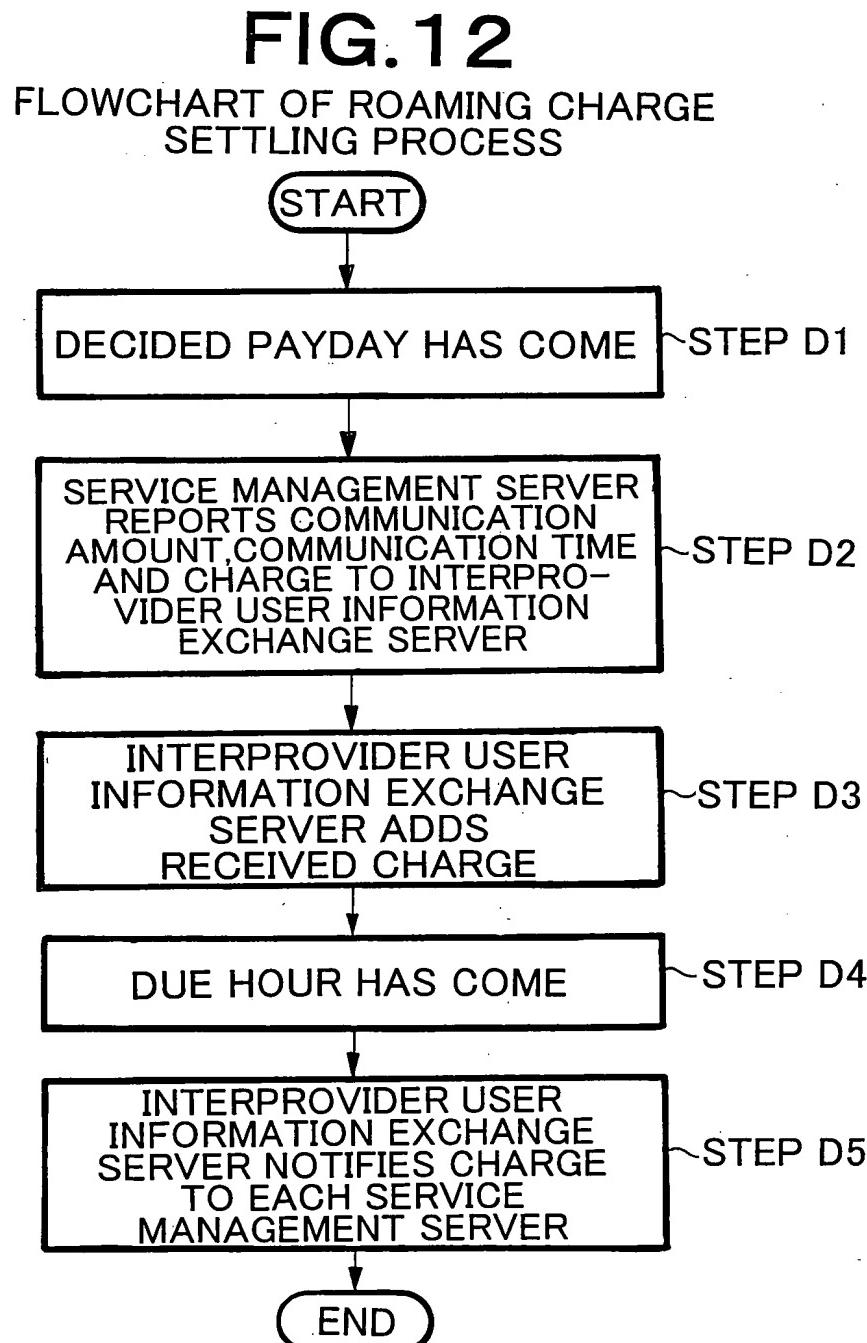
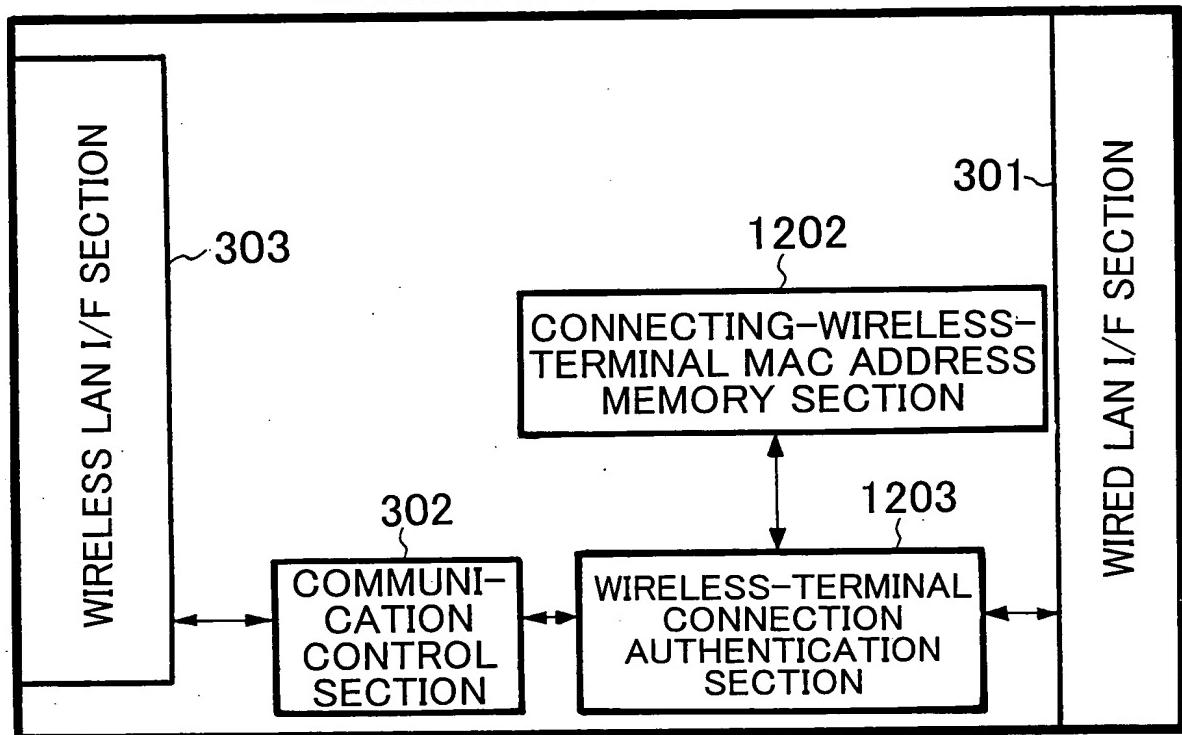


FIG.13

WIRELESS LAN BASE STATION



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WEB SERVERS

FIG. 14

102 INTERNET

INTERPROVIDER USER INFORMATION EXCHANGE SERVER

PROVIDER B

105

SERVICE MANAGEMENT SERVER B

SHOPPING CENTER

111 AUTHENTICATION GATEWAY B

120

SHOP A

108 AUTHENTICATION GATEWAY A

PROVIDER A

104

SERVICE MANAGEMENT SERVER A

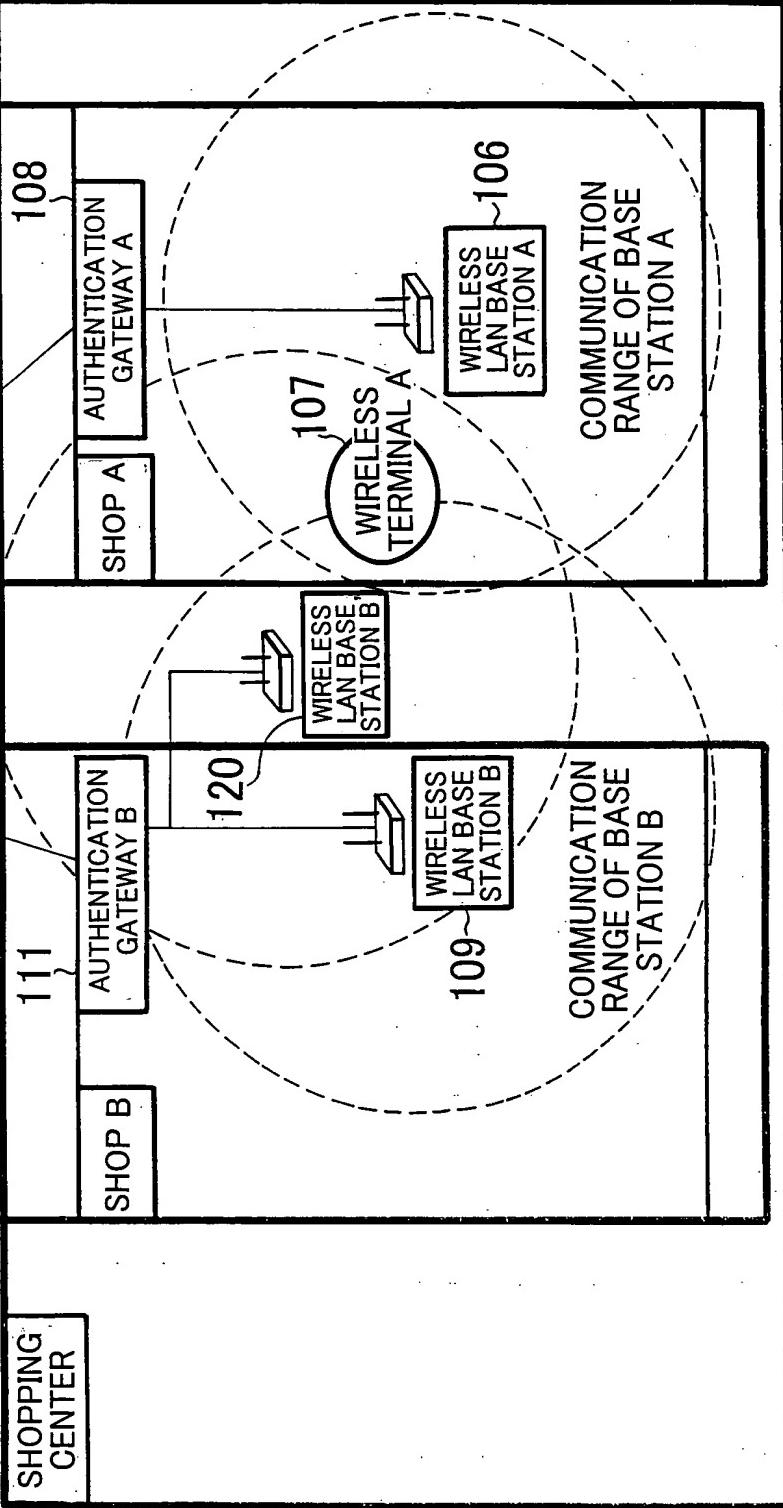
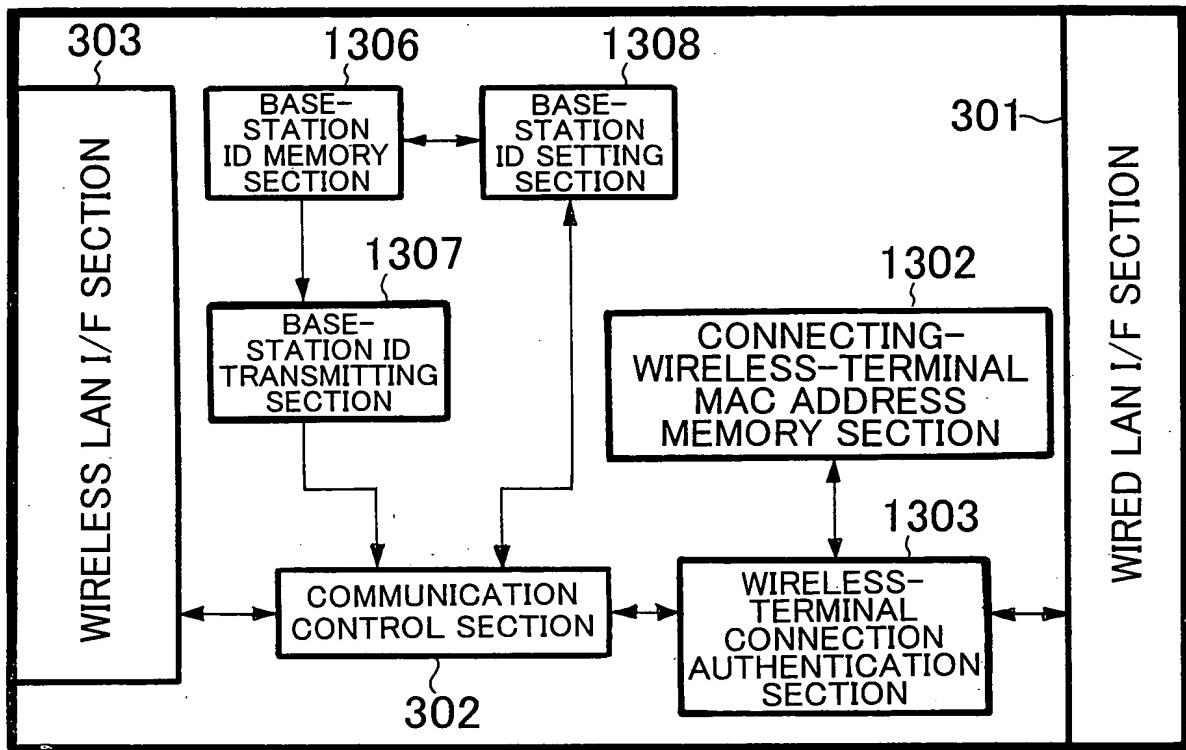


FIG. 15
WIRELESS LAN BASE STATION



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FIG. 16